

INFORMATION REPORT INFORMATION REPORT

CENTRAL INTELLIGENCE AGENCY

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COUNTRY East Germany

REPORT

SUBJECT East German Aircraft Industry:
Production of Engines for 152 and 153
Aircraft During the Period 1959-1965
(production of TL-014)

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REFERENCES

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manufacture of engines for
the 152 and 153 aircraft during the period 1959-1965.
the equipping of the 152 plane with TL-014 engines is the number one priority
task of the East German aircraft industry.

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2. Scheduled production of the TL-014 engine is as follows:

	Werk 802 (Pirna)	Werk 807 (Ludwigsfelde)
1959	10	20
1960	-	84
1961	-	188
1962	-	224
1963	-	240
1964	-	316
1965	-	276
	Total:	ca. 1350 engines
	Reserve:	150
	Grand Total	1500 engines 50X1-HUM

3. As of 1959, the planned price of the TL-014 engine was quoted as 260,000 DME, which includes 160,000 DME material costs, 55,000 DME wages and salaries, 6,000 DME preliminary costs, and 40,000 DME development costs. The price of an equivalent engine, at world market prices, is 400,000 DME. The TL-014 price is based on 8,700 manhours' work; however, at least 10,000 manhours would be required and the 014 under construction at the time in Plant 802 still requires 50,000 manhours' work. Similarly, the other costs included in the planned price are to be questioned.

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5. [redacted] the PTL-018 would not be installed in the 153 airframe.
[redacted] three possibilities of engines for the 1953:

1. Soviet NK-4 (4,000 hp)

2. [redacted] later the East German PTL-018.

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Points to be considered are:

[redacted] which is the only one:

1. The Soviet engine is only partially efficient in the 153 airframe, 50X1-HUM
1. and the plane would consequently have little sales appeal.

Should the development of the PTL-018 be halted, work on the TL-016, which is designed to replace the TL-014 eventually, would be accelerated.

6. The production schedule of the experimental models (V) and "O" series models of the 153 is as follows:

V 1 15 July 1960
V 3 15 December 1960
V 4 15 April 1961
O 5 15 August 1961
O 6 1 November 1961
O 7 15 January 1962

O 8 15 March 1962
O 9 30 April 1962
O 10 15 June 1962
O 11 30 July 1962
O 12 15 September 1962

7. 1960 2 sets (4 engines)
1961 3 " 6 "
1962 8 " 16 "
1963 19 " 38 "
1964 45 " 90 "

Schedule of engines to be installed in planes

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